Luc Nikiema

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Team-oriented individual with an analytical mindset and strong troubleshooting skills. Proven experience applying knowledge and skills including object-oriented programming and software design principles in an agile environment to deliver quality solutions effectively as a software engineer.

EDUCATION

Georgetown University   **Washington DC**
Bachelor of Arts in Computer Science   *August 2016 - May 2020*
● Related coursework: Data Structures, Algorithms, Advanced Programming
Programs

● **JP Morgan Chase & CO:** Software Engineering Virtual Experience   *April 2020*
● **Facebook Above and Beyond CS:** Technical Interview Fellowship   *September 2019 - November 2019*
● **Coursera**: Analyzing Big Data with SQL   *April 2022*
● **Coursera**: Data Analysis with Python   *April 2022*

EXPERIENCE

Capgemini   **Washington DC (Remote)**
Software Engineer   *March 2022 - Present*
● Completed 6 week Next Generation Talent Program comprised of Python, SQL, and Big Data coursework
Astranis   **San Francisco**
Ground Software Intern   *September 2021 - January 2022*
● Designed and implemented an interactive visualization of the timeline of events for spacecrafts after launch via a full stack ReactJs/Django web application
● Developed data models and APIs to support retrieval, importing, and exporting of spacecraft events
● Introduced and implemented a plan for the retrieval and sorting of telemetry data, reducing database query execution time by 10% on average
● Established and developed a new testing approach for the Orbital Determination Service in faster than realtime spacecraft simulations
● Conducted an investigation into Ground Software unit tests resulting in a reduction of execution time by 12%
Lauinger Library, Georgetown University   **Washington DC**
Technical Support Specialist (20 hours per week)   *March 2017 - May 2020*
● Performed maintenance and automated software installation through writing and running AutoIT scripts
● Imaged and installed over 100 Windows PC and macOS workstations using Ghost32 & Active Directory
● Collaborated with team members to resolve critical OS, hardware, and network connectivity issues for staff
● Developed and edited documentation for new procedures and common troubleshooting questions
National Society of Black Engineers (NSBE), Georgetown University   **Washington DC**
President   *May 2018 - May 2020*
● Organized 15 professional development and technical events while promoting diversity in STEM fields
● Led executive board in developing and implementing organizational 5-year plan

SKILLS

● **Languages, frameworks, & technologies**: Python, Django, Django-Rest framework, Docker, SqlAlchemy, Flask, C++, AutoIT v3, HTML, CSS, JavaScript ES6, React.js, SQL, Java, Jest, JSON, NPM, Express, Node.js, Postgres, TimescaleDB, Psycopg2, Agile, Scrum
● **Supported Software**: Visual Studio, PyCharm, Sublime, Xcode, Brackets, Apache Subversion, Git, GitHub, Terminal, PowerShell, Adobe Dreamweaver, MongoDB, Phabicator
● **Photo editing software**: Adobe Illustrator, Adobe Lightroom, Adobe Photoshop

PROJECTS

● **Alan News**: Voice controlled news application powered by Alan AI
● **Seamless**: Playlist generator using Spotify and LastFM's web API as well as JavaScript and React to identify songs with similar characteristics and create a custom playlist on Spotify
● **Corona Tracker**: Single page web application that displays real time information about coronavirus cases per country
● **WebGL Scene**: Creation of a 3D scene using WebGL and JSON models, implementing lighting, texture, and animation